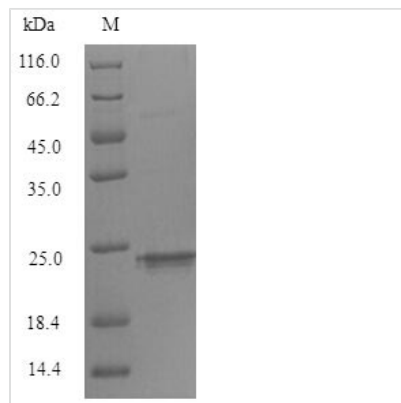




Recombinant Mouse Triggering receptor expressed on myeloid cells 2 (Trem2), partial

Product Code	CSB-MP024405MO
Relevance	May have a role in chronic inflammations and may stimulate production of constitutive rather than inflammatory chemokines and cytokines. Forms a receptor signaling complex with TYROBP and triggers activation of the immune responses in macrophages and dendritic cells.
Abbreviation	Recombinant Mouse Trem2 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q99NH8
Alias	Triggering receptor expressed on monocytes 2
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LNTTVLQGMAGQSLRVSCITYDALKHWGRRKAWCRQLGEEGPCQRVVSTHG VWLLAFLKKRNGSTVIADDTLAGTVTITLKNLQAGDAGLYQCQSLRGREAEL QKVLVEVLEDPLDDQDAGDLWVPEESSSFEGAQVEHSTSRNQETSFPPTS
Research Area	Immunology
Source	Mammalian cell
Target Names	Trem2
Expression Region	19-171aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	20.8kDa
Protein Length	Extracellular Domain
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The Recombinant Mouse Trem2 is a remarkable tool specifically engineered for research in Immunology. This recombinant protein is designed to facilitate the study of the Triggering receptor expressed on myeloid cells 2 (TREM-2), derived from the Mouse species. Created via a mammalian cell expression system, the Recombinant Mouse Trem2 offers a high level of authenticity and quality, meeting the demands of sophisticated and precise scientific research.

The protein encompasses the extracellular domain, capturing the amino acid sequence from the 19th to the 171st position. An N-terminal 6xHis tag has been incorporated to facilitate efficient purification and detection processes. This product exceeds a purity level of 90% as established by SDS-PAGE, which stands testament to the premium quality we offer. Depending on your specific requirements and research protocols, the Recombinant Mouse Trem2 can be provided in either liquid or lyophilized powder form.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.